FIG. 1

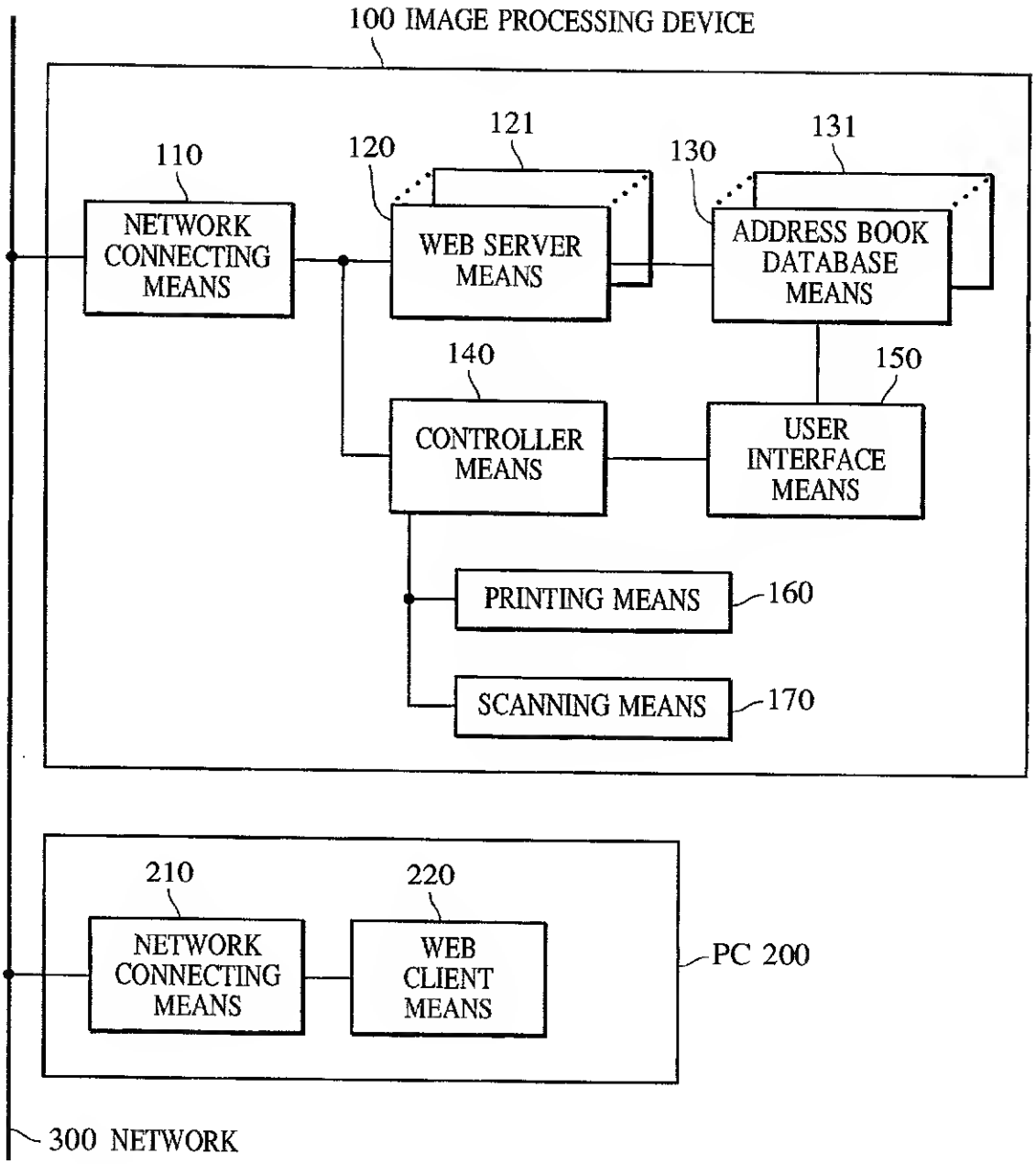
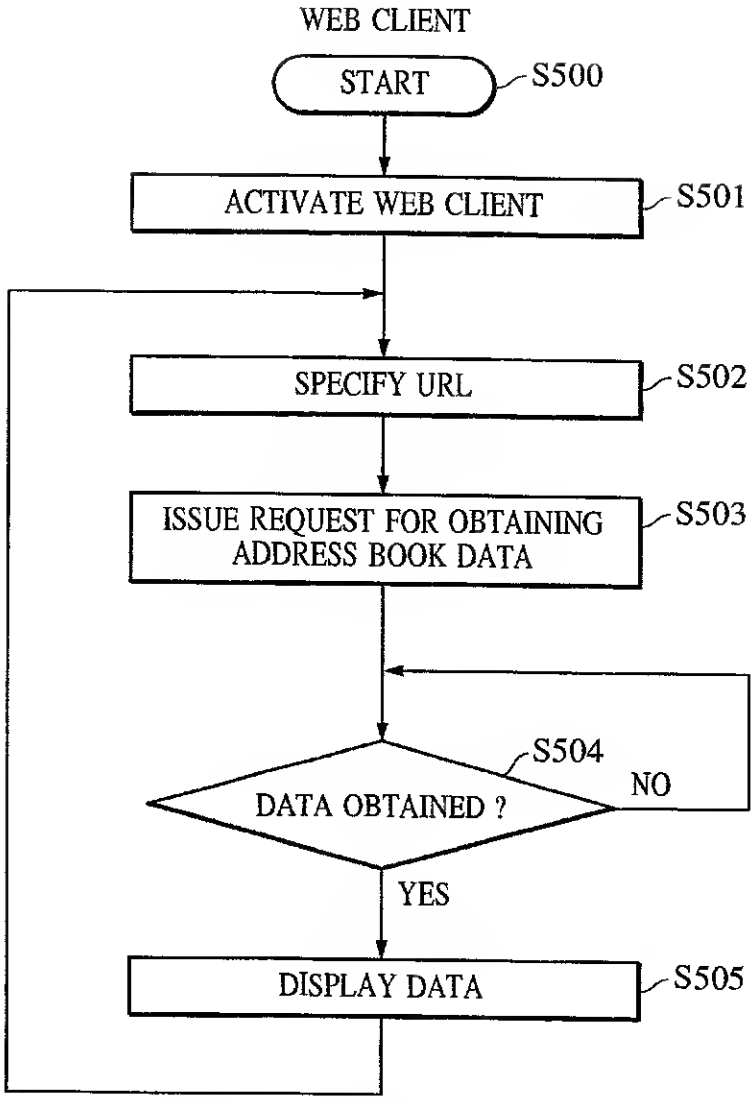
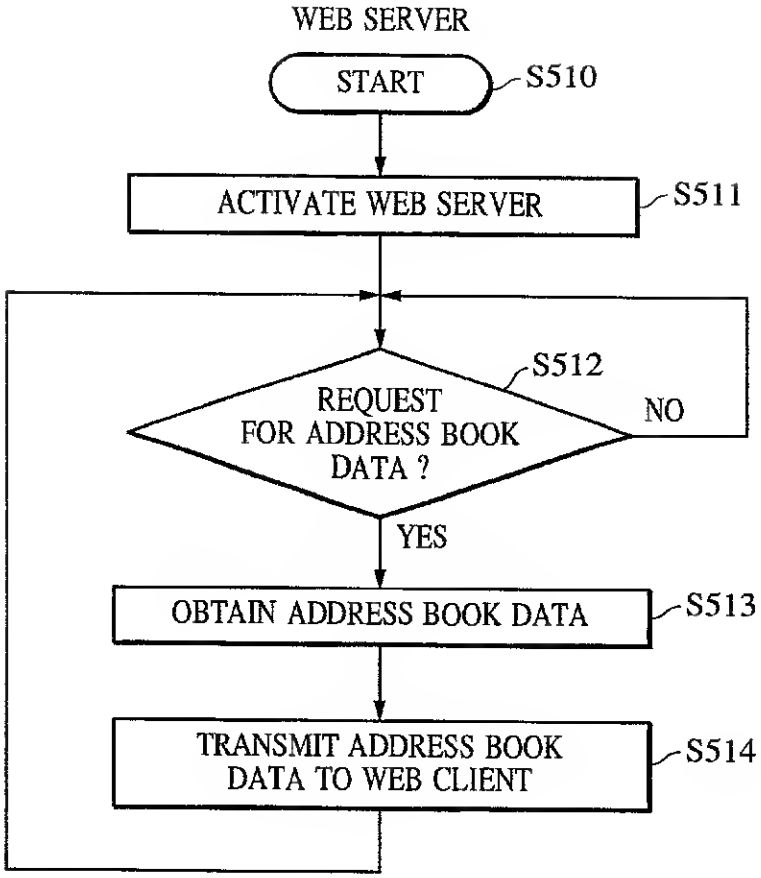

100 IMAGE PROCESSING DEVICE
110
NETWORK CONNECTING MEANS
120
121
WEB SERVER MEANS
130
131
ADDRESS BOOK DATABASE MEANS
140
CONTROLLER MEANS
150
USER INTERFACE MEANS
PRINTING MEANS
160
SCANNING MEANS
170
210
NETWORK CONNECTING MEANS
220
WEB CLIENT MEANS
PC 200
300 NETWORK

FIG. 2



FLOWCHART OF WEB CLIENT ACTIONS

FIG. 3



FLOWCHART OF WEB SERVER ACTIONS

FIG. 4

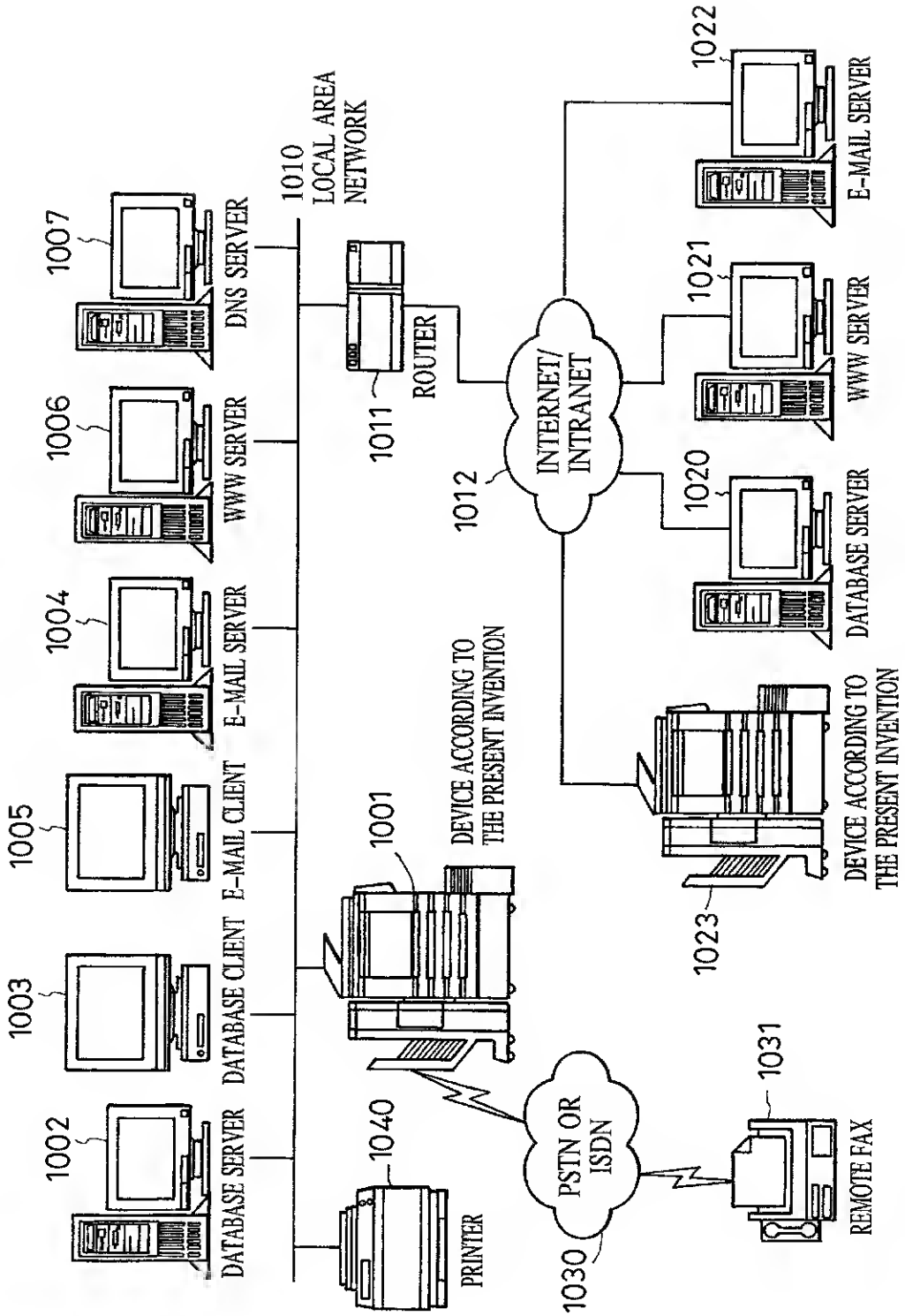

1010
LOCAL AREA NETWORK
1007
DNS SERVER
1006
WWW SERVER
1004
E-MAIL SERVER
1005
E-MAIL CLIENT
1003
DATABASE CLIENT
1002
DATABASE SERVER
1040
PRINTER
1001
DEVICE ACCORDING TO THE PRESENT INVENTION
1011
ROUTER
1012
INTERNET/ INTRANET
1022
E-MAIL SERVER
1021
WWW SERVER
1020
DATABASE SERVER
1023
DEVICE ACCORDING TO THE PRESENT INVENTION
1030
PSTN OR ISDN
1031
REMOTE FAX

FIG. 5

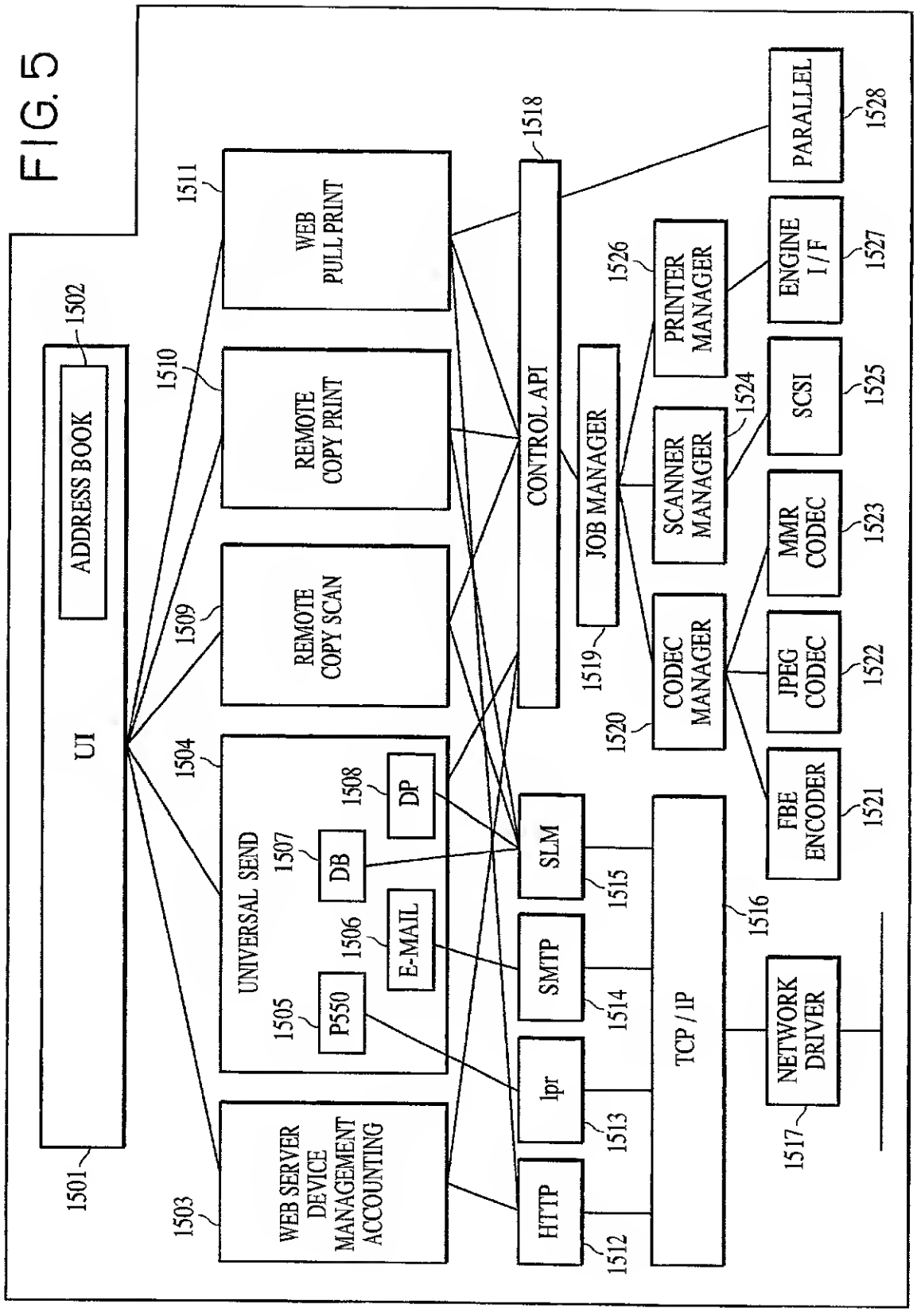
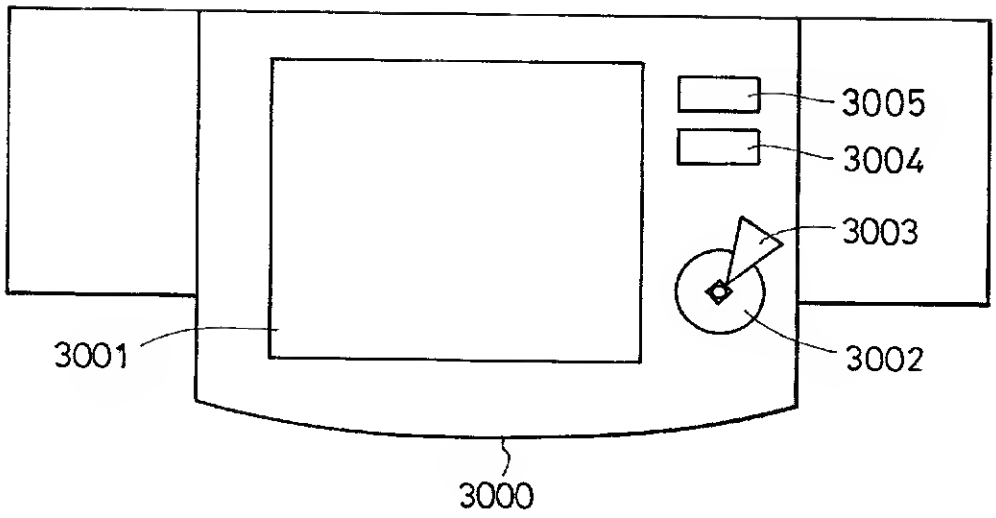
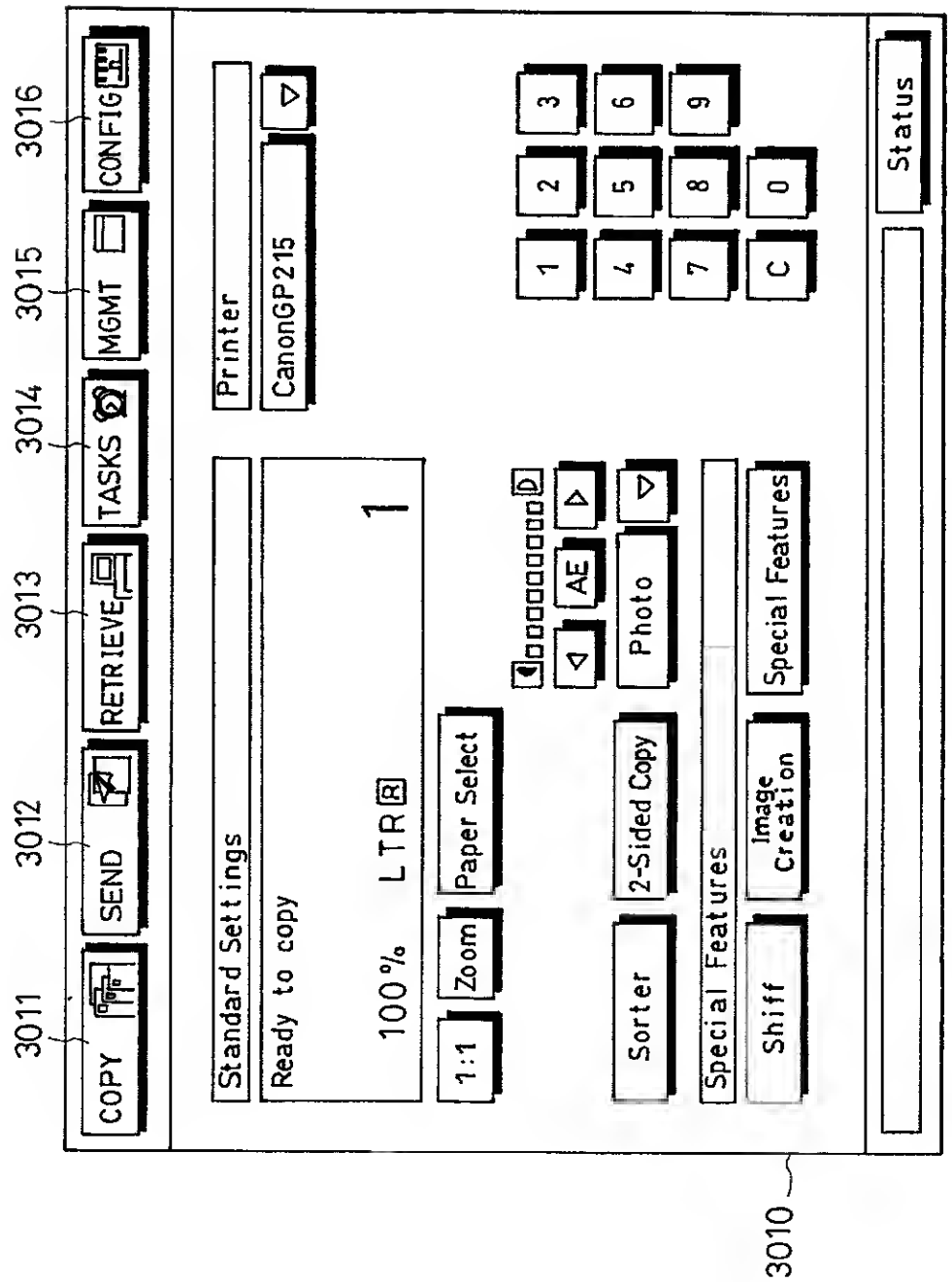

1501
UI
1502
ADDRESS BOOK
1503
WEB SERVER
DEVICE MANAGEMENT
ACCOUNTING
1504
UNIVERSAL SEND
1505
P550
1506
E-MAIL
1507
DB
1508
DP
1509
REMOTE COPY SCAN
1510
REMOTE COPY PRINT
1511
WEB PULL PRINT
1512
HTTP
1513
lpr
1514
SMTP
1515
SLM
1516
TCP / IP
1517
NETWORK DRIVER
1518
CONTROL API
1519
JOB MANAGER
1520
CODEC MANAGER
1521
FBE ENCODER
1522
JPEG CODEC
1523
MMR CODEC
1524
SCANNER MANAGER
1525
SCSI
1526
PRINTER MANAGER
1527
ENGINE I/F
1528
PARALLEL

FIG. 6



ENTIRE VIEW OF OPERATING UNIT

FIG. 7



OPERATING SCREEN

FIG. 8

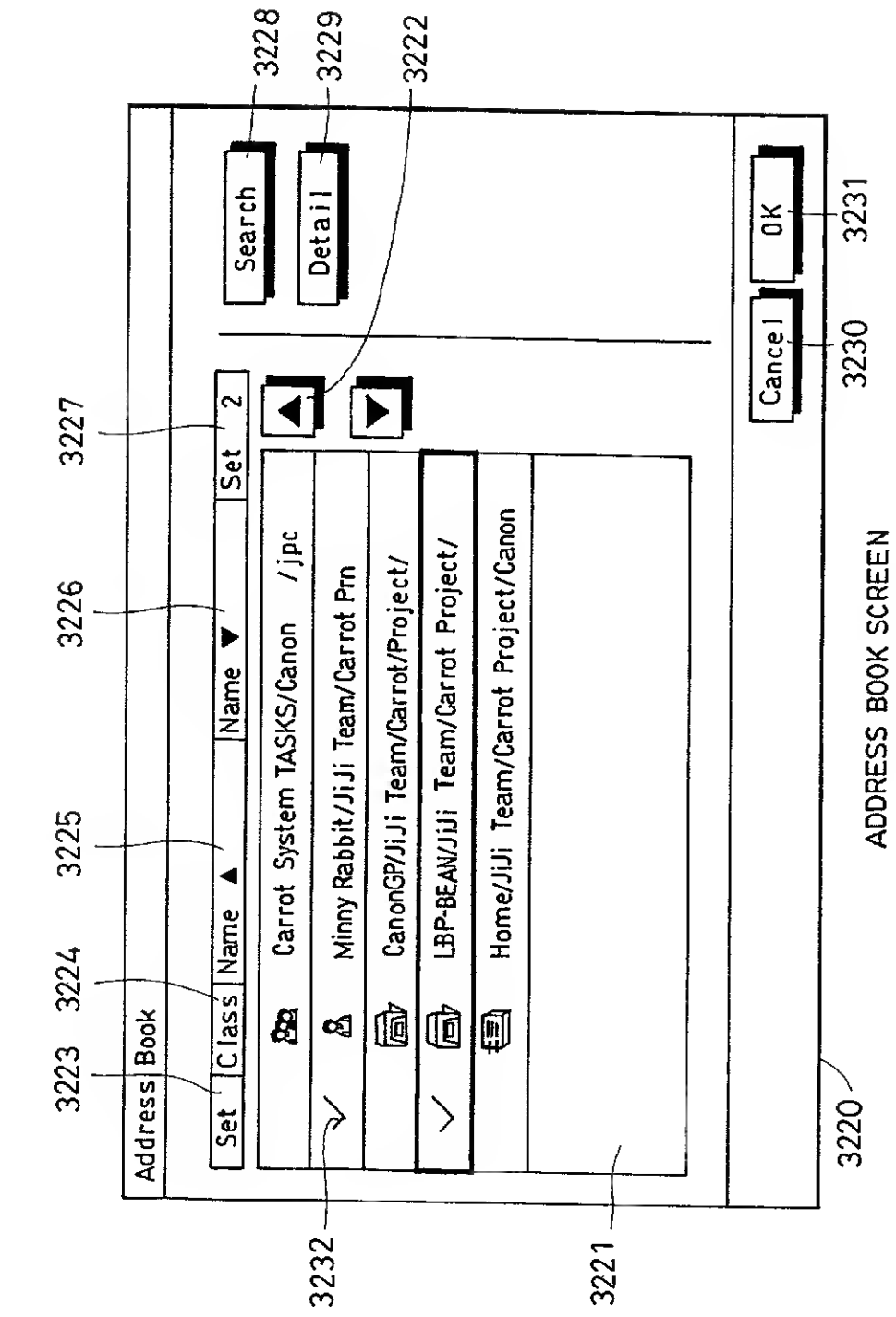

Address Book
Set
Class
Name
Name
Set 2
Carrot System TASKS/Canon /jpc
Minny Rabbit/JiJi Team/Carrot Prn
CanonGP/JiJi Team/Carrot/Project/
LBP-BEAN/JiJi Team/Carrot Project/
Home/JiJi Team/Carrot Project/Canon
Search
Detail
Cancel
OK
3220
3221
3222
3223
3224
3225
3226
3227
3228
3229
3230
3231
3232
ADDRESS BOOK SCREEN

FIG. 9

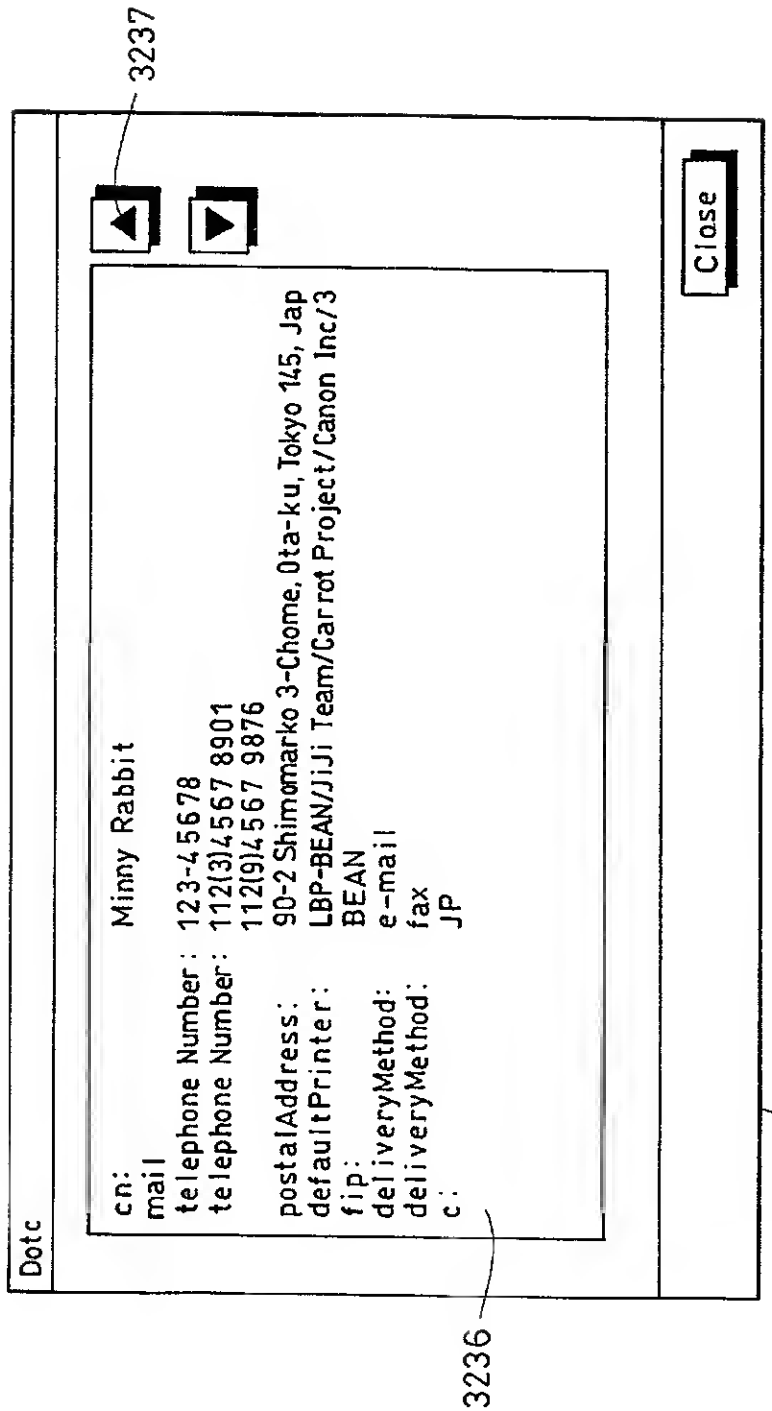
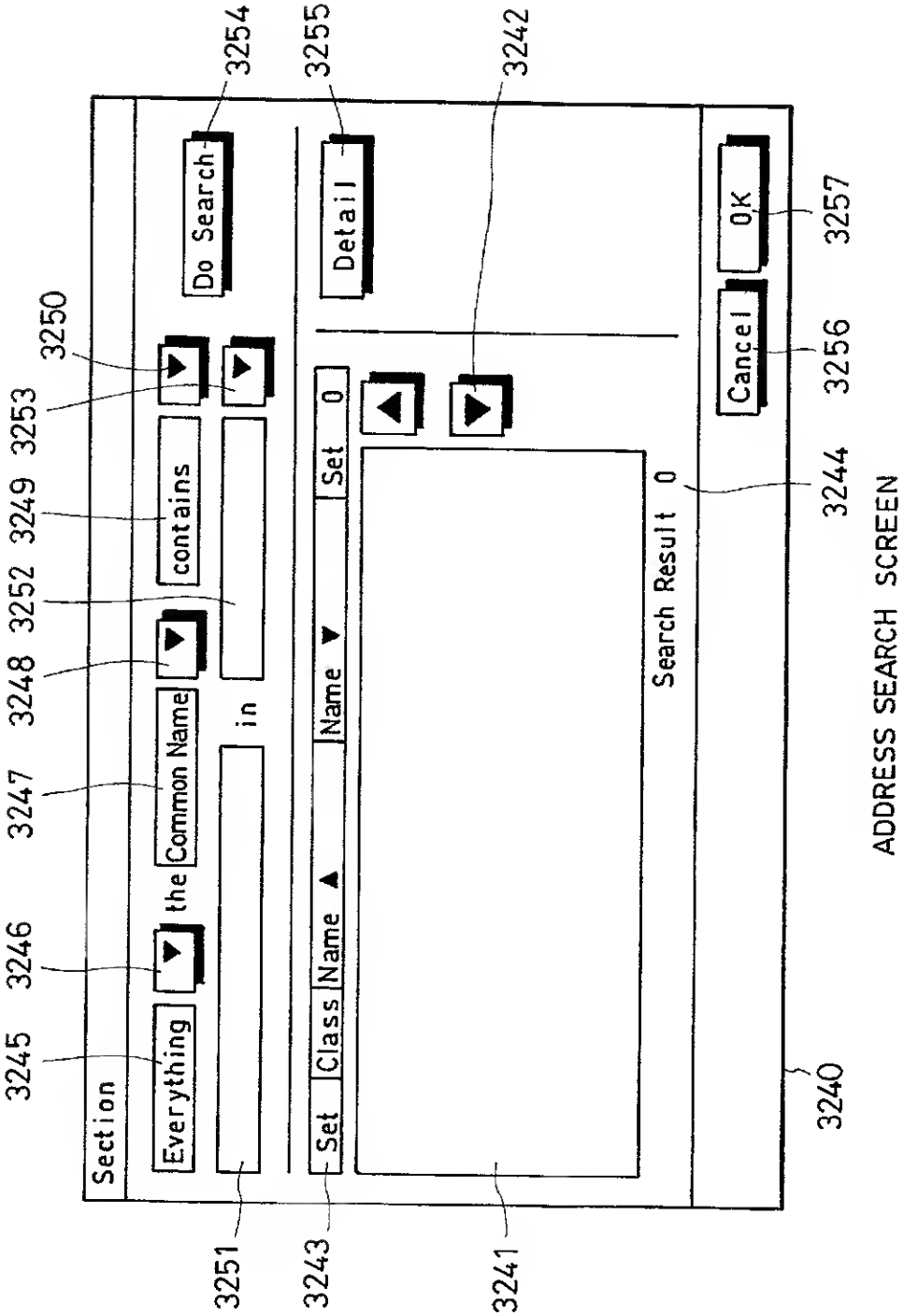
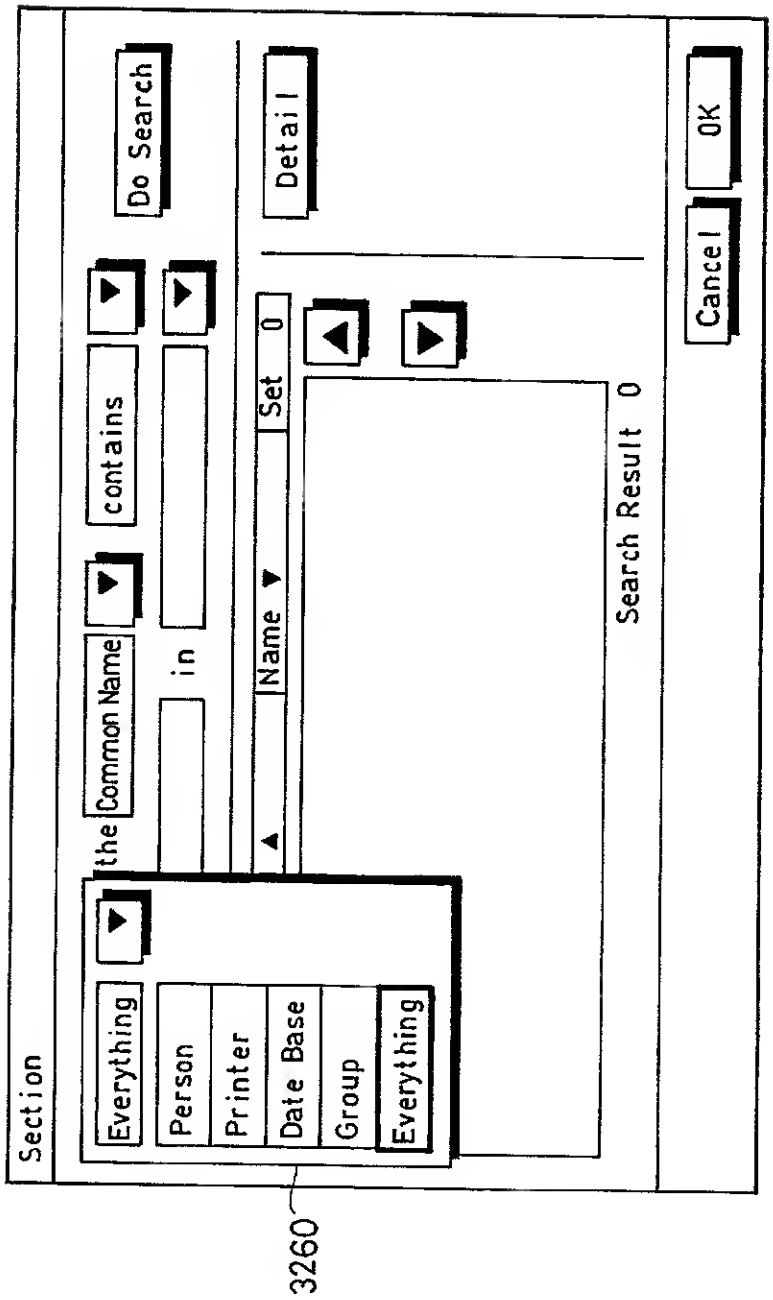

3237
Dotc
cn: Minny Rabbit
mail
telephone Number: 123-45678
telephone Number: 112(3)4567 8901
112(9)4567 9876
postalAddress: 90-2 Shimomarko 3-Chome, Ota-ku, Tokyo 145, Jap
defaultPrinter: LBP-BEAN/JiJi Team/Carrot Project/Canon Inc/3
fip: BEAN
deliveryMethod: e-mail
deliveryMethod: fax
c: JP
Close
3236
3235
DETAILED INFORMATION SCREEN

FIG. 10



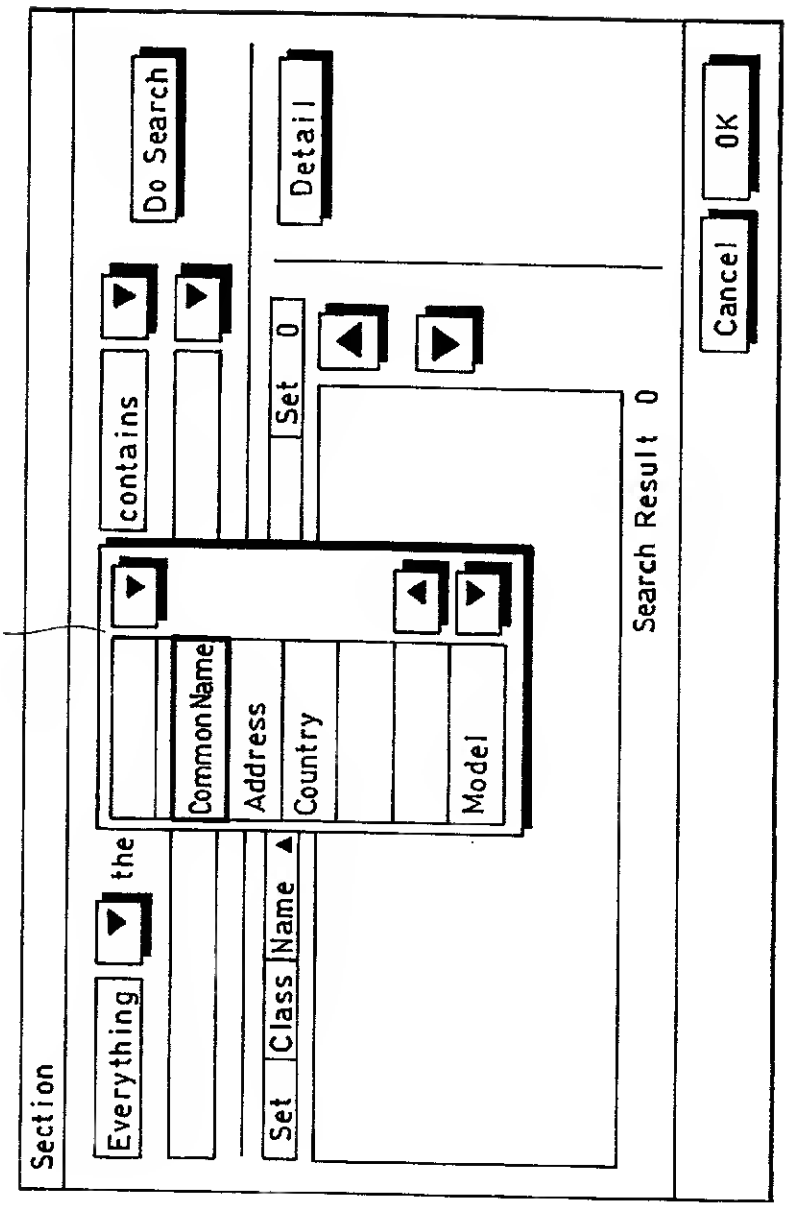
ADDRESS SEARCH SCREEN

FIG. 11



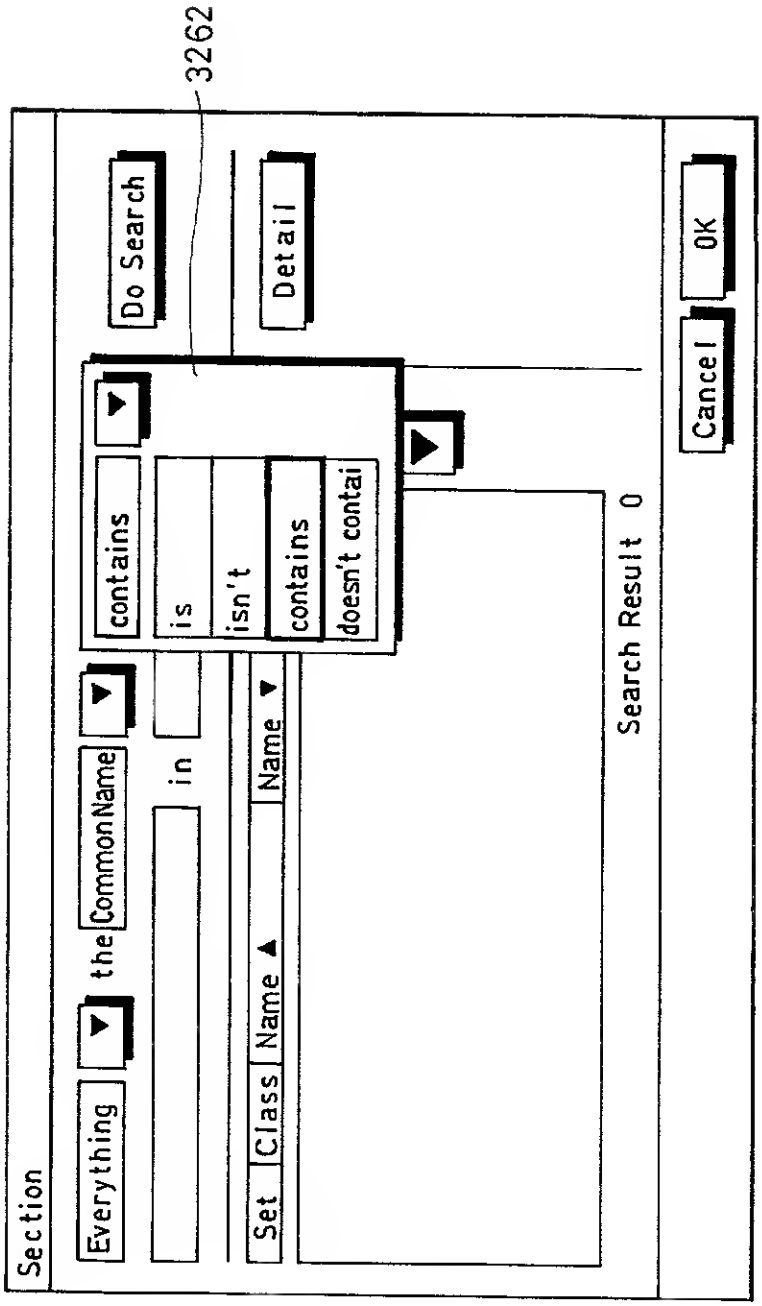
SEARCH OBJECT CLASS LIST DISPLAY

FIG. 12



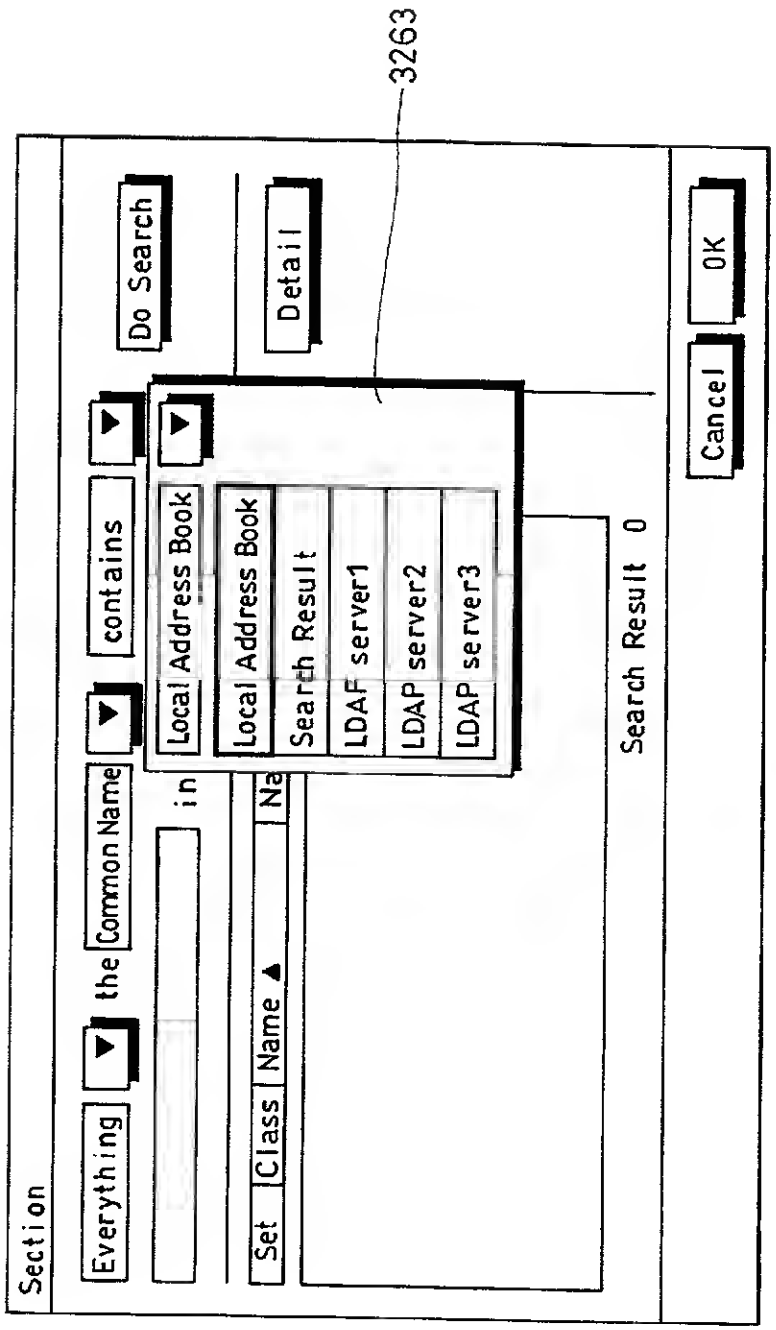
SEARCH OBJECT ATTRIBUTES LIST DISPLAY

FIG. 13



SEARCH OBJECT CONDITIONS LIST DISPLAY

FIG. 14



SEARCH OBJECT ADDRESS BOOK LIST DISPLAY

FIG. 15

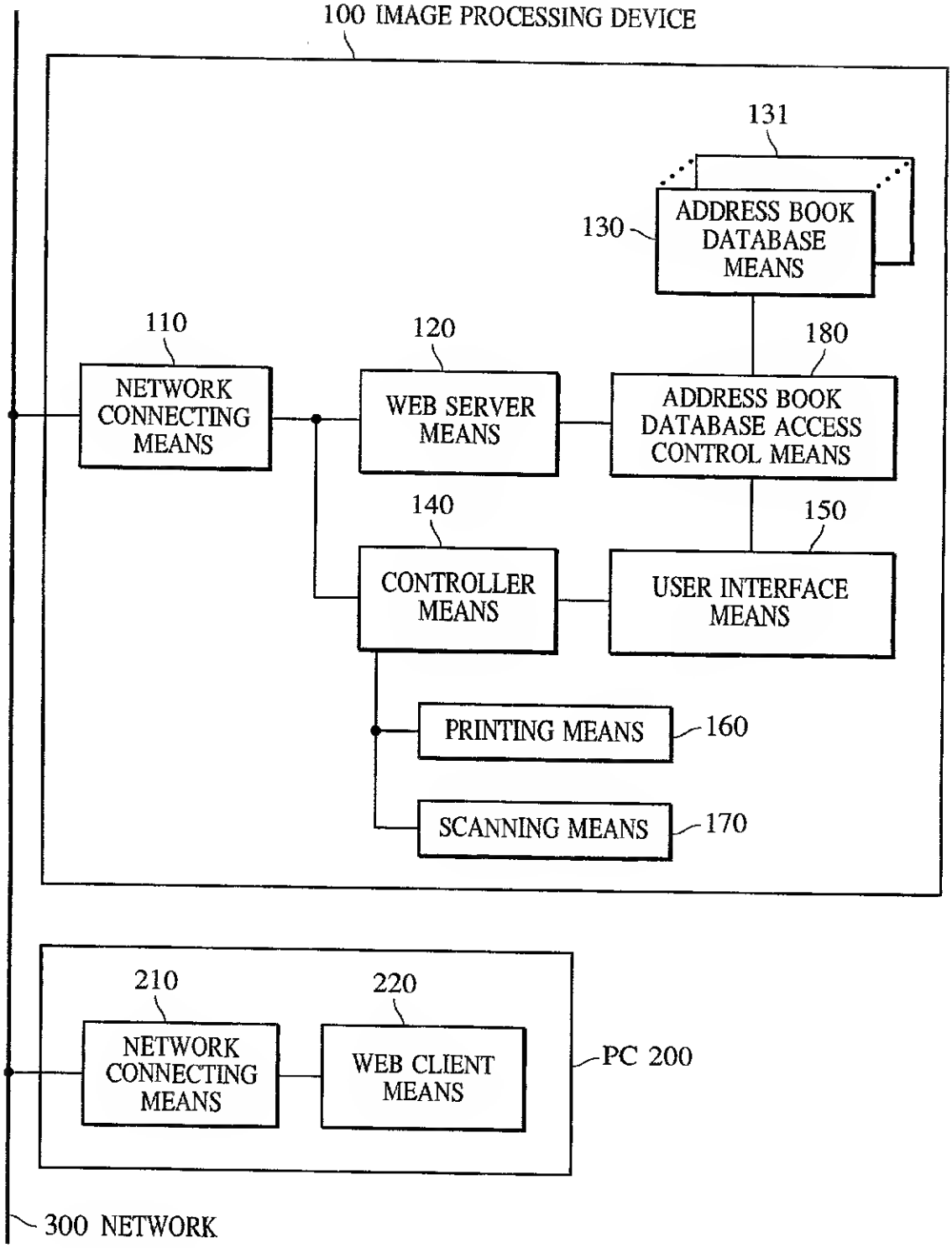

100 IMAGE PROCESSING DEVICE
131
ADDRESS BOOK DATABASE MEANS
130
110
NETWORK CONNECTING MEANS
120
WEB SERVER MEANS
180
ADDRESS BOOK DATABASE ACCESS CONTROL MEANS
140
CONTROLLER MEANS
150
USER INTERFACE MEANS
PRINTING MEANS
160
SCANNING MEANS
170
210
NETWORK CONNECTING MEANS
220
WEB CLIENT MEANS
PC 200
300 NETWORK

FIG. 16

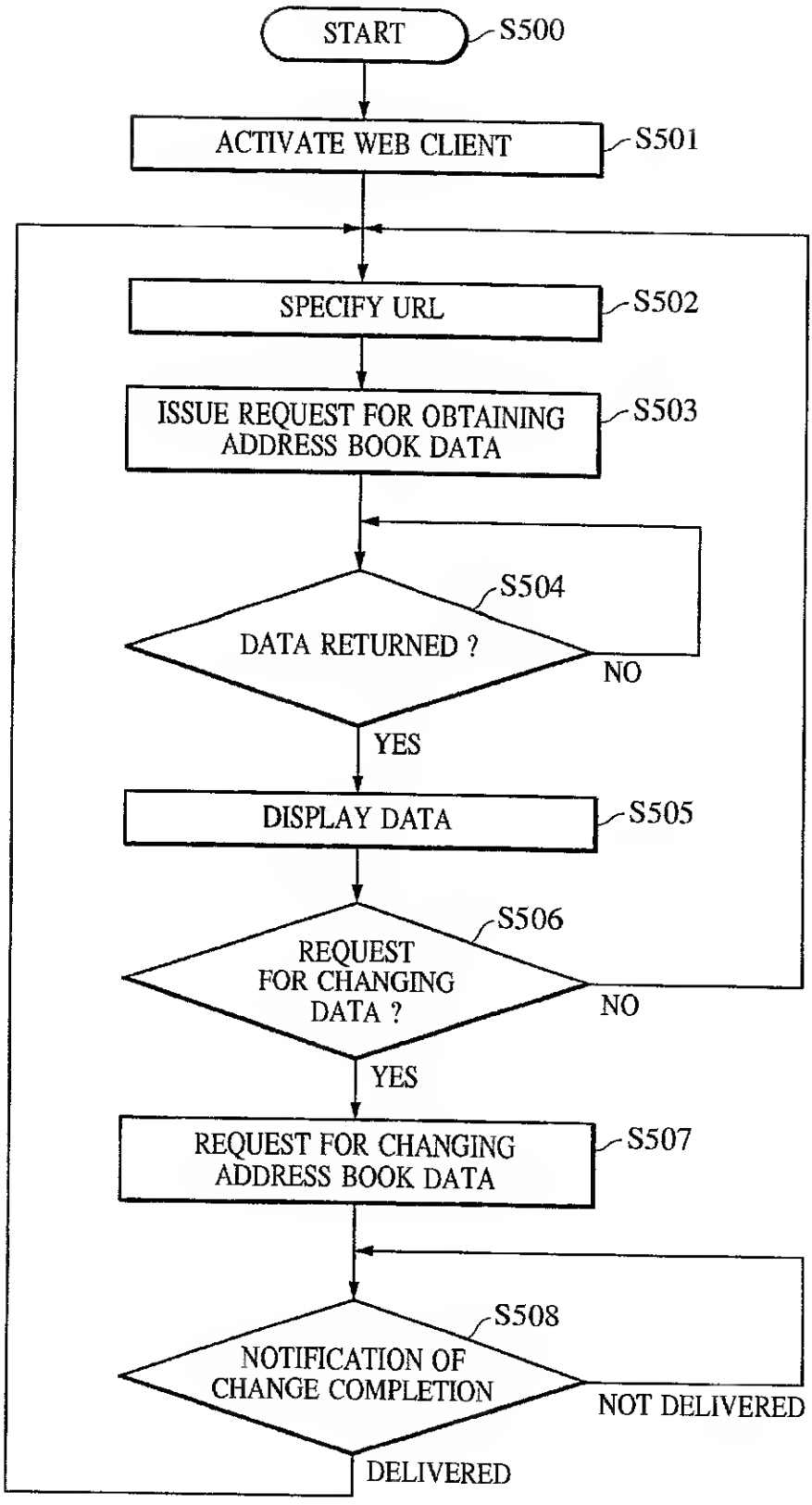

START
S500
ACTIVATE WEB CLIENT
S501
SPECIFY URL
S502
ISSUE REQUEST FOR OBTAINING ADDRESS BOOK DATA
S503
S504
DATA RETURNED ?
NO
YES
DISPLAY DATA
S505
S506
REQUEST FOR CHANGING DATA ?
NO
YES
REQUEST FOR CHANGING ADDRESS BOOK DATA
S507
S508
NOTIFICATION OF CHANGE COMPLETION
NOT DELIVERED
DELIVERED

FIG. 17

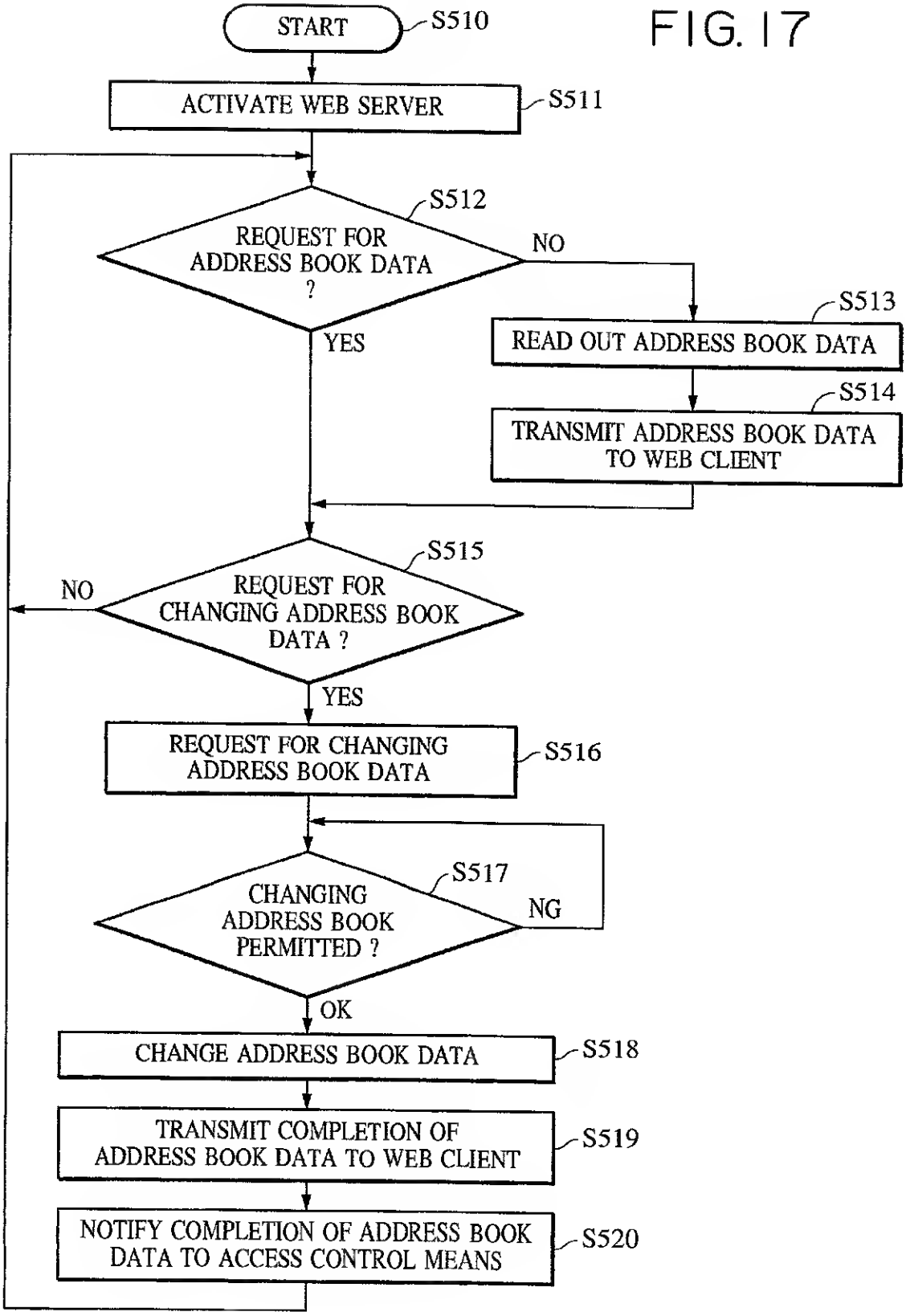
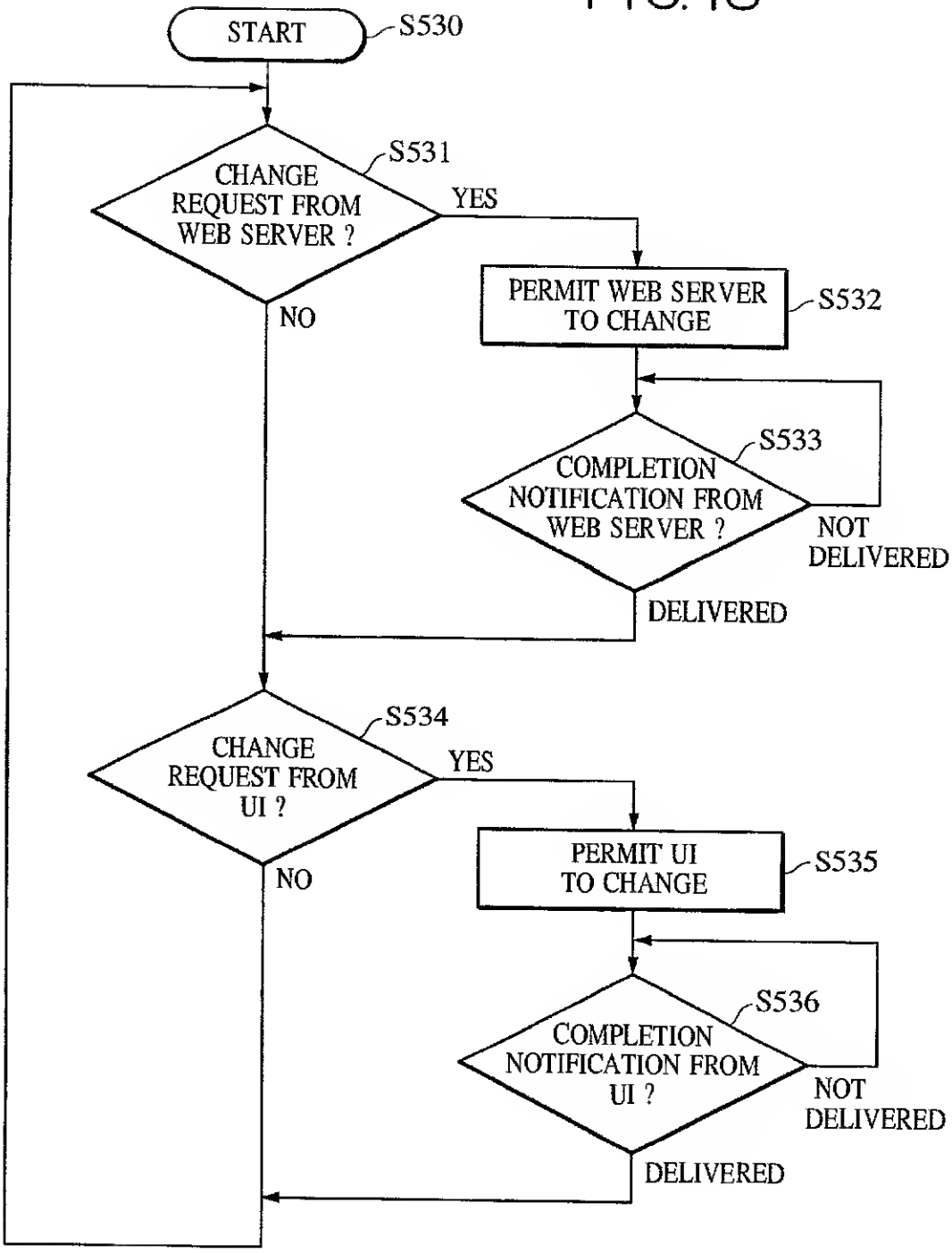

START
S510
ACTIVATE WEB SERVER
S511
S512
REQUEST FOR ADDRESS BOOK DATA ?
NO
YES
S513
READ OUT ADDRESS BOOK DATA
S514
TRANSMIT ADDRESS BOOK DATA TO WEB CLIENT
S515
REQUEST FOR CHANGING ADDRESS BOOK DATA ?
NO
YES
REQUEST FOR CHANGING ADDRESS BOOK DATA
S516
S517
CHANGING ADDRESS BOOK PERMITTED ?
NG
OK
CHANGE ADDRESS BOOK DATA
S518
TRANSMIT COMPLETION OF ADDRESS BOOK DATA TO WEB CLIENT
S519
NOTIFY COMPLETION OF ADDRESS BOOK DATA TO ACCESS CONTROL MEANS
S520

FIG. 18


START
S530
CHANGE REQUEST FROM WEB SERVER ?
S531
YES
NO
PERMIT WEB SERVER TO CHANGE
S532
COMPLETION NOTIFICATION FROM WEB SERVER ?
S533
NOT DELIVERED
DELIVERED
CHANGE REQUEST FROM UI ?
S534
YES
NO
PERMIT UI TO CHANGE
S535
COMPLETION NOTIFICATION FROM UI ?
S536
NOT DELIVERED
DELIVERED

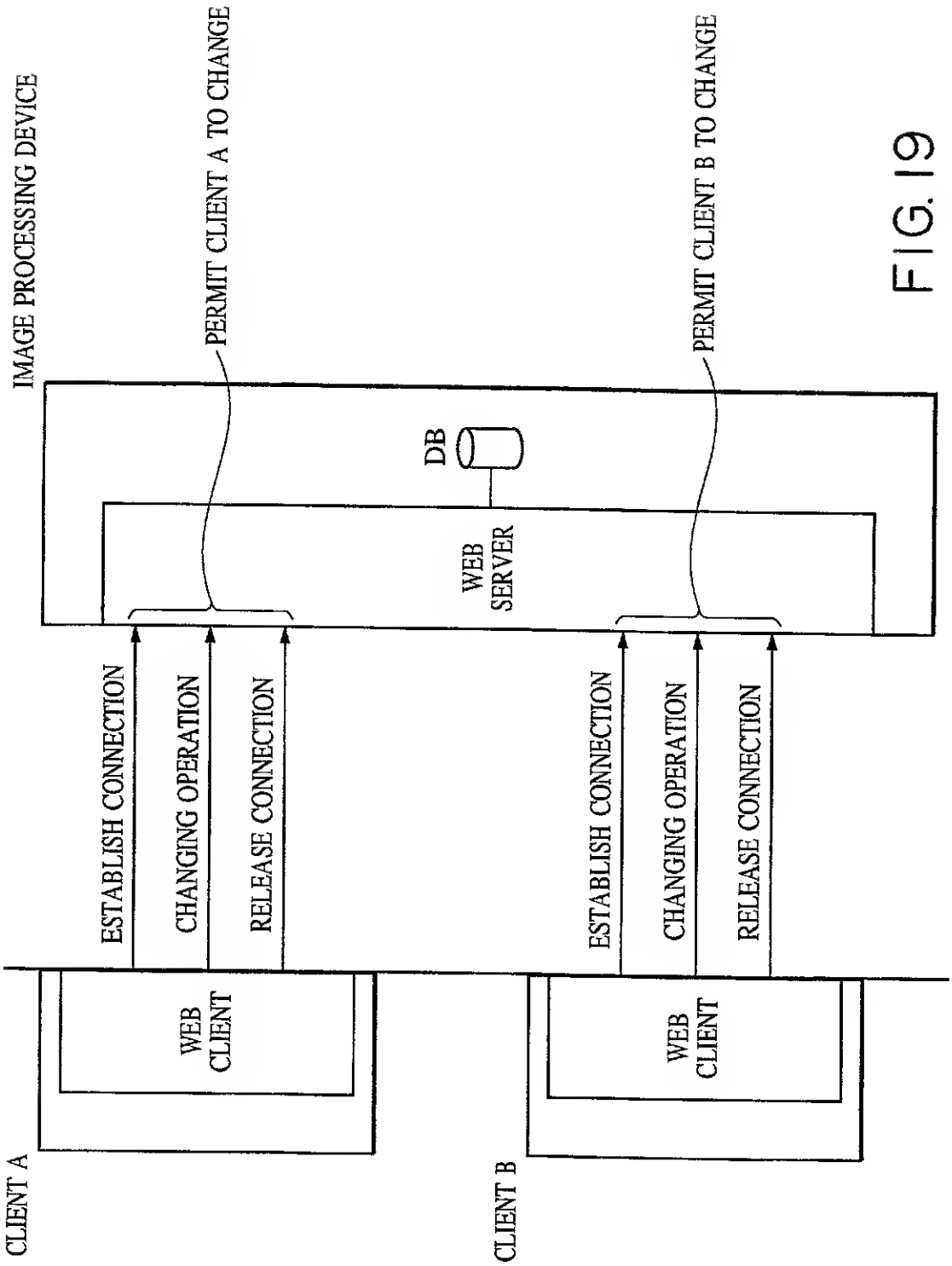


IMAGE PROCESSING DEVICE
PERMIT CLIENT A TO CHANGE
PERMIT CLIENT B TO CHANGE
DB
WEB SERVER
ESTABLISH CONNECTION
CHANGING OPERATION
RELEASE CONNECTION
ESTABLISH CONNECTION
CHANGING OPERATION
RELEASE CONNECTION
WEB CLIENT
WEB CLIENT
CLIENT A
CLIENT B

FIG. 19

FIG. 20

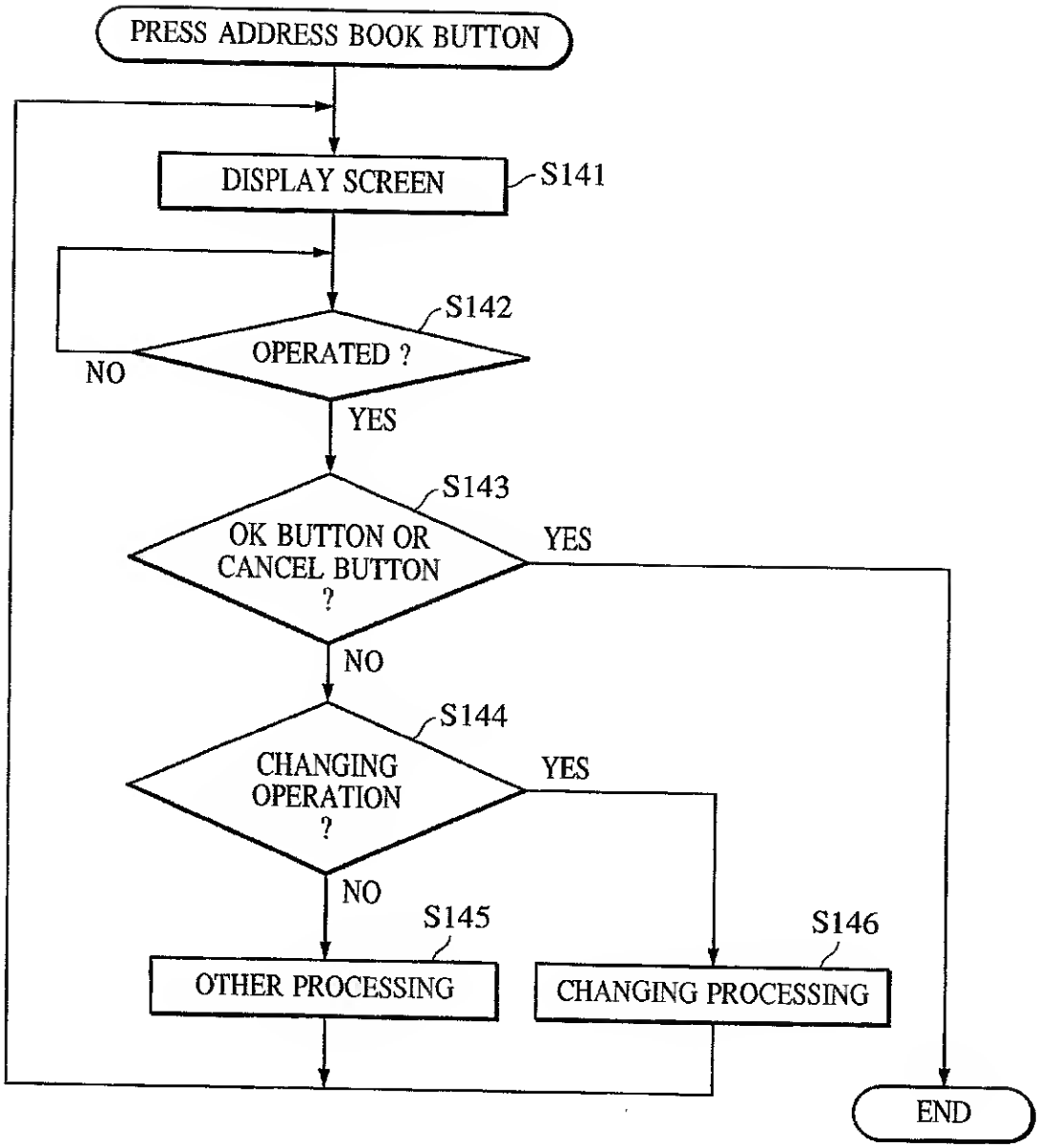
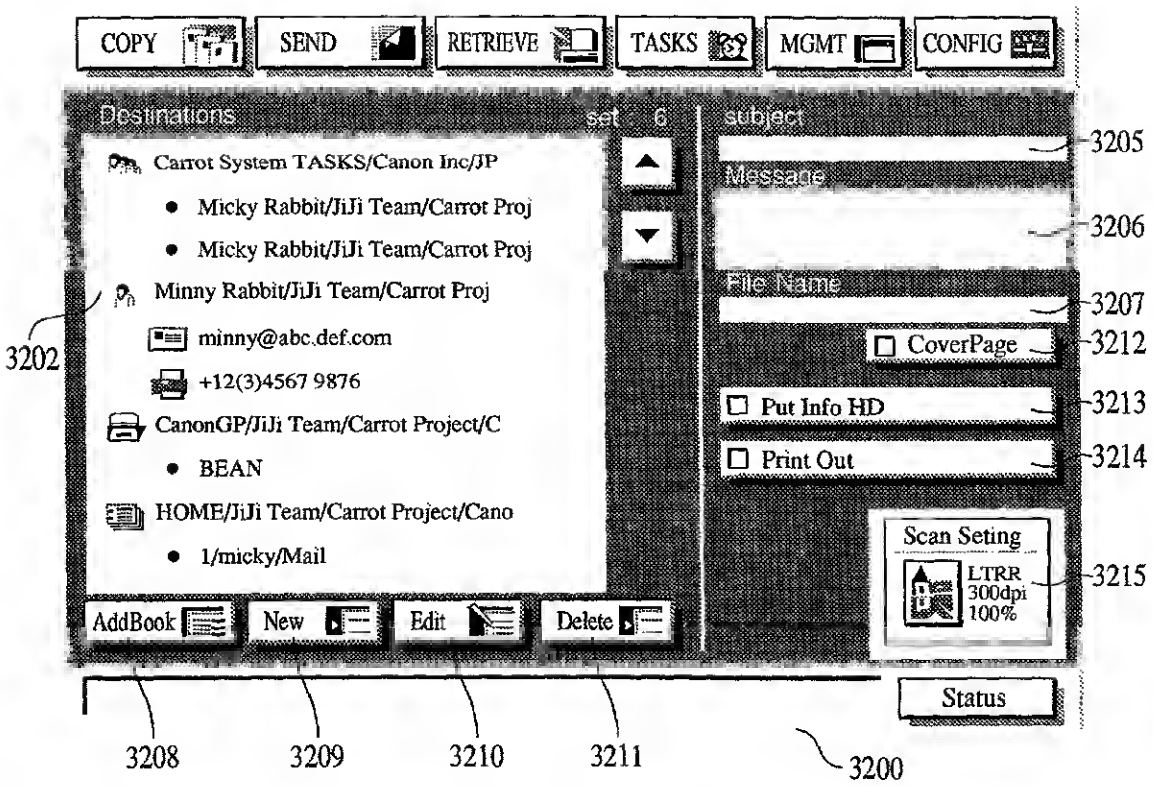
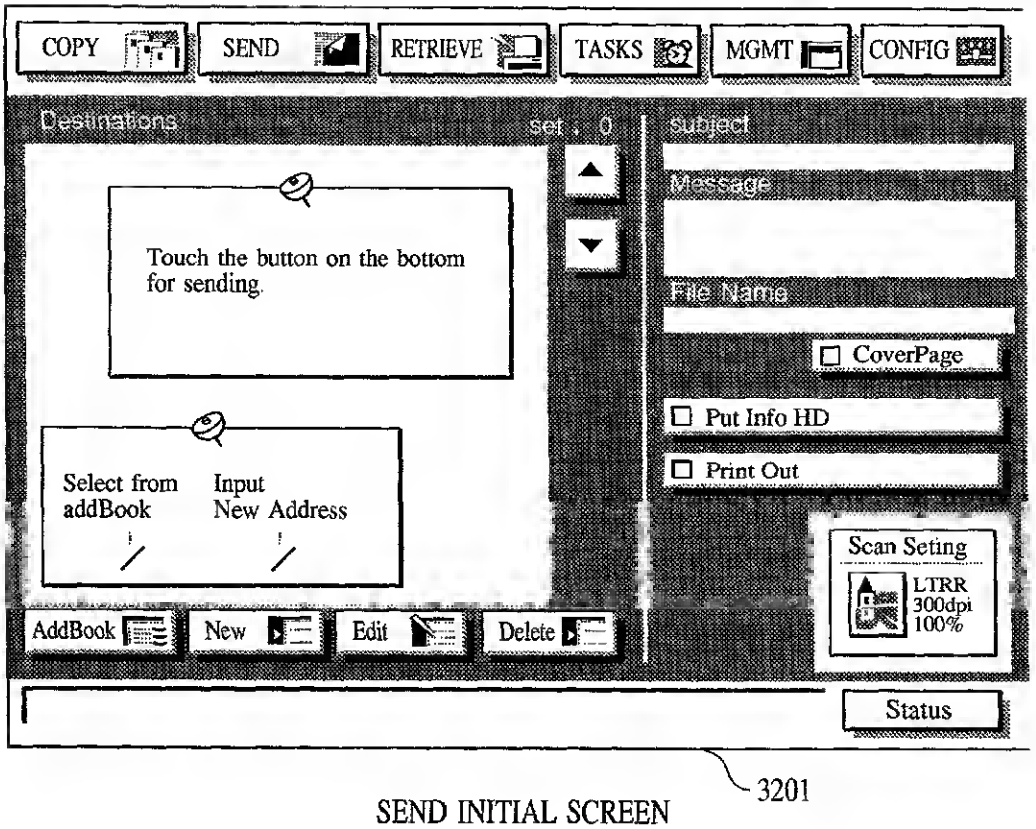

PRESS ADDRESS BOOK BUTTON
DISPLAY SCREEN
S141
S142
OPERATED ?
NO
YES
S143
OK BUTTON OR CANCEL BUTTON ?
YES
NO
S144
CHANGING OPERATION ?
YES
NO
S145
OTHER PROCESSING
S146
CHANGING PROCESSING
END

FIG. 21



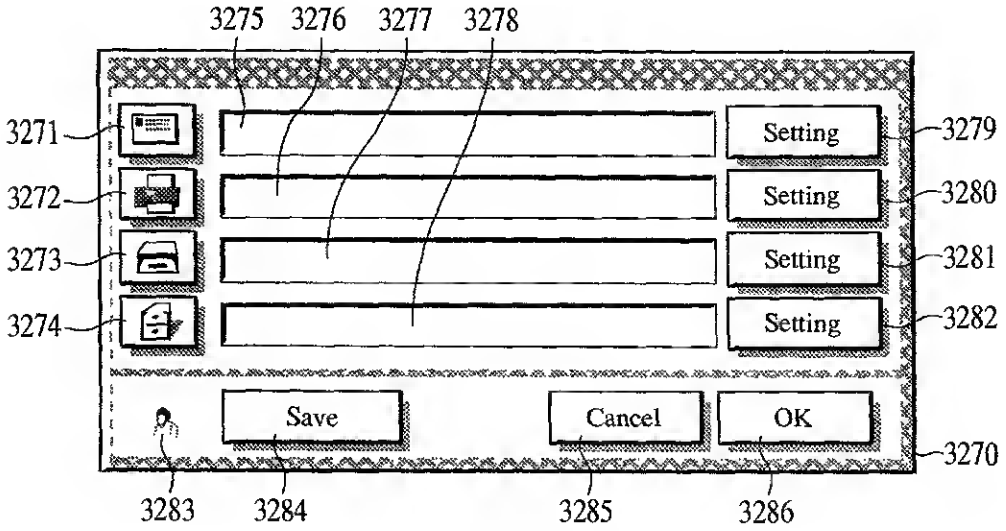
SEND MAIN SCREEN

FIG. 22



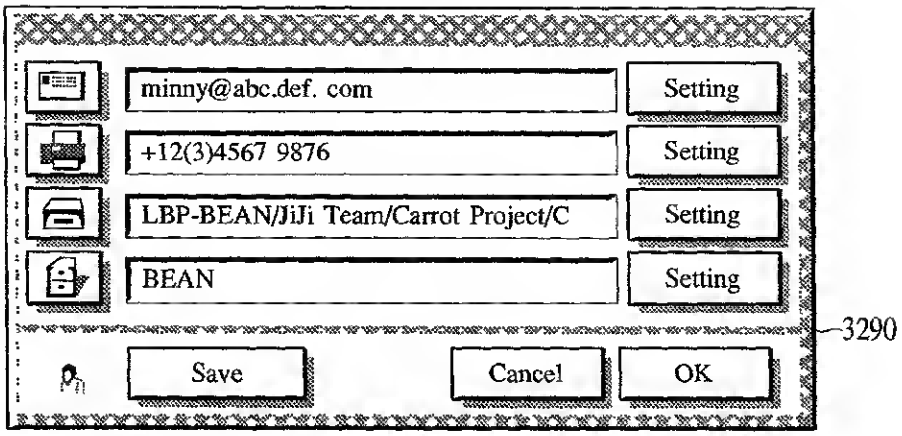
SEND INITIAL SCREEN

FIG. 23



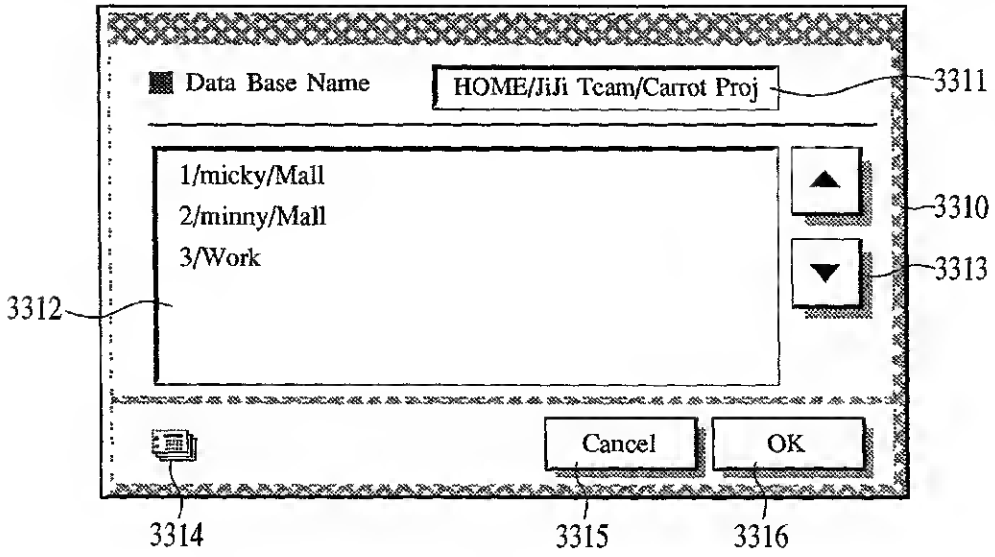
DESTINATION DETAILS (NEW)

FIG. 24



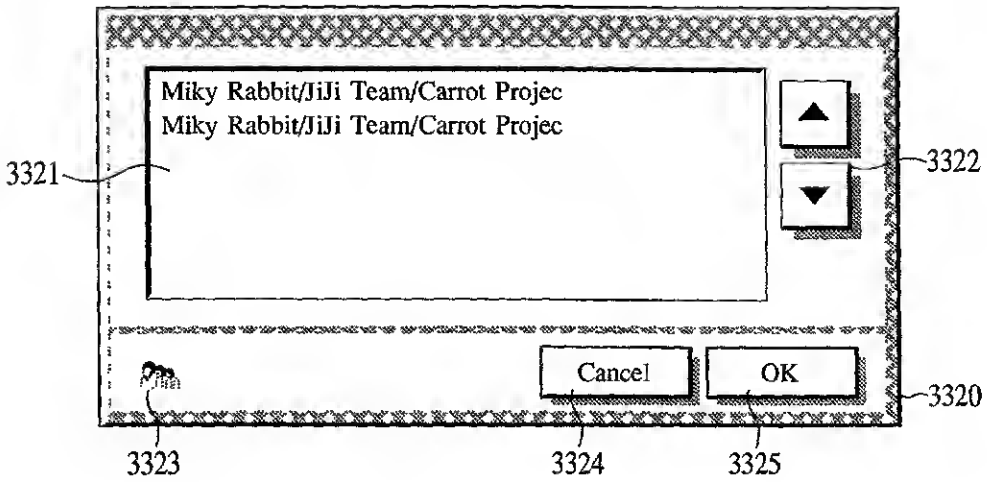
DESTINATION DETAILS (PERSON)

FIG. 25



DESTINATION DETAILS (DATABASE)

FIG. 26



DESTINATION DETAILS (GROUP)